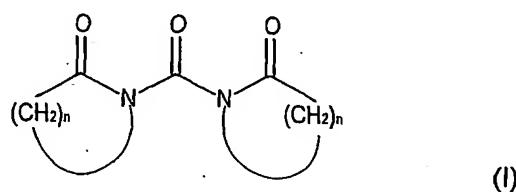


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CLAIMS

1. Process for preparing a high-molecular polycondensate, i.e. a polyester, a polyamide, a polyester-amide, a polycarbonate, a polyether or a block copolymer by melt-mixing a polyester, a polyamide, a polycarbonate, a polyether or a mixture of at least two of these said polycondensates with a carbonyl bislactam according to formula (I)

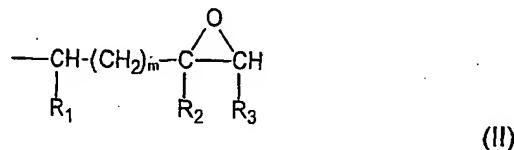


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in which formula n = an integer of between 3 and 15,
characterized in that during said melt-mixing also a diepoxide is present

2. Process according to claim 1, wherein the diepoxide is a compound containing epoxy radicals of formula (II)

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which radicals are linked direct to carbon, oxygen, nitrogen or sulfur atoms,
wherein R₁ and R₃ are both hydrogen, R₂ is hydrogen or methyl, and m=0, or
wherein R₁ and R₃, taken together, are -CH₂-CH₂- or -CH₂-CH₂-CH₂- , in which case
R₂ is hydrogen and m=0 or 1.

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3. Process according to claim 1, where in formula (I) n=5

4. Process according to any one of claims 1-3, wherein use is made of 0.1 to 4 wt.% of the bislactam, relative to amount of the polycondensate.

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5. Process according to any one of claims 1-4, wherein use is made of 0.01-5 wt.% of diepoxide, relative to amount of the polycondensate.
6. Process according to any one of claims 1-5, wherein during the melt mixing additionally an additive and/or a filler and/or a reinforcing agent and/or a stabilizer is added.
7. Process according to any one of claims 1-6, wherein the melt mixing is done in an extruder.
8. Process according to any one of claims 1-7, wherein the melt mixing is done in a single screw extruder.
- 10 9. Process according to any one of claims 1-8, where in the compound according to formula (I), n=5.